0570
0103

OIPE #2

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/013,056

ENTERED

CRF Processing Date: 1/9/2002
Edited by:
Verified by: (STIC staf

- ☐ Changed a file from non-ASCII to ASC
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action! DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 01/09/2002
PATENT APPLICATION: **US/10/013,056** TIME: 08:24:10

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01092002\J013056.raw**

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      5 <110> APPLICANT: Ligensa, Tanja
      7       Schumacher, Ralf
      9       Weidner, Michael
     13 <120> TITLE OF INVENTION: IGF-1 Receptor Interacting Proteins
     17 <130> FILE REFERENCE: 09/453,195
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/013,056
C--> 23 <141> CURRENT FILING DATE: 2001-10-30
     27 <150> PRIOR APPLICATION NUMBER: EPO 98122992.5
     29 <151> PRIOR FILING DATE: 1998-12-03
     33 <160> NUMBER OF SEQ ID NOS: 10
     37 <170> SOFTWARE: PatentIn Ver. 2.1
     41 <210> SEQ ID NO: 1
     43 <211> LENGTH: 1707
     45 <212> TYPE: DNA
     47 <213> ORGANISM: Homo sapiens
     51 <220> FEATURE:
     53 <223> OTHER INFORMATION: n at position 186, 187, 203, and 205 is a, t, g, or c.
     57 <400> SEQUENCE: 1
     59 gaaacccaca ggaggcaacc acactagttt agatcttctg gtgaccccac ttctcgctgc 60
     61 tcatgccgct gggactgggg cggcggaaaa aggcgccccc tctagtggaa aatgaggagg 120
     63 ctgagccagg ccgtggaggg ctgggcgtgg gggagccagg gcctctgggc ggaggtgggt 180
W-> 65 cggggnnccc ccaaatgggc ttncnccccc ctcccccagc cctgcggccc cgcctcgtgt 240
     67 tccacaccca gctggcccat ggcagtccca ctggccgcat cgagggcttc accaacgtca 300
     69 aggagctgta tggcaagatc gccgaggcct tccgcctgcc aactgccgag gtgatgttct 360
     71 gcaccctgaa cacccacaaa gtggacatgg acaagctcct gggggggccag atcgggctgg 420
     73 aggacttcat cttcgcccac gtgaaggggc agcgcaagga ggtggaggtg ttcaagtcgg 480
     75 aggatgcact cgggctcacc atcacggaca acggggctgg ctacgccttc atcaagcgca 540
     77 tcaaggaggg cagcgtgatc gaccacatcc acctcatcag cgtgggcgac atgatcgagg 600
     79 ccattaacgg gcagagcctg ctgggctgcc ggcactacga ggtggcccgg ctgctcaagg 660
     81 agctgccccg aggccgtacc ttcacgctga agctcacgga gcctcgcaag gccttcgaca 720
     83 tgatcagcca gcgttcagcg ggtggccgcc ctggctctgg cccacaactg ggcactggcc 780
     85 gagggaccct gcggctccga tcccggggcc ccgccacggt ggaggatctg ccctctgcct 840
     87 ttgaagagaa ggccattgag aaggtggatg acctgctgga gagttacatg ggtatcaggg 900
     89 acacggagct ggcagccacc atggtggagc tgggaaagga caaaaggaac ccggatgagc 960
     91 tggccgaggc cctggacgaa cggctgggtg actttgcctt ccctgacgag ttcgtctttg 1020
     93 acgtctgggg cgccattggg gacgccaagg tcggccgcta ctaggactgc ccccggaccc 1080
     95 tgcgatgatg acccgggcgc aacctggtgg gggcccccag cagggacact gacgtcagga 1140
     97 cccgagcctc cagcctgagc ctagctcagc agcccaagga cgatggtgag gggaggtggg 1200
     99 gccaggcccc ctgccccgct ccactcggta ccatcccctc cctggttccc agtctggccg 1260
    101 gggtccccgg ccccccctgtg ccctgttccc cacctacctc agctgggtca ggcacaggga 1320
    103 ggggagggat cagccaaatt gggcggccac ccccgcctcc accactttcc accatcagct 1380
    105 gccaaactgg tccctctgtc tccctggggc cttgggttct gtttgggggt catgaccttc 1440
    107 ctagtttcct gacgcaggga atacagggga gagggttgtc cttcccccca gcaaatgcaa 1500
    109 taatgccctc acccctcctg agaggagccc cctccctgtg gagcctgtta cctccgcatt 1560
    111 tgacacgagt ctgctgtgaa ccccgcaacc tcctccccac ctcccatctc tccttccagg 1620
    113 cccatccctg gcccagagca ggagggaggg agggacgatg gcggtgggtt tttgtatctg 1680
    115 aatttgctgt cttgaacata aagaatc                                    1707
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RAW SEQUENCE LISTING DATE: 01/09/2002
PATENT APPLICATION: **US/10/013,056** TIME: 08:24:10

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01092002\J013056.raw**

121 <210> SEQ ID NO: 2
123 <211> LENGTH: 333
125 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens
131 <220> FEATURE:
133 <223> OTHER INFORMATION: Xaa at position 42, 47, and 48 is any one of the twenty naturally
134 occurring amino
135 acids.
139 <400> SEQUENCE: 2

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141 Met Pro Leu Gly Leu Gly Arg Arg Lys Lys Ala Pro Pro Leu Val Glu
143   1               5                  10                  15
147 Asn Glu Glu Ala Glu Pro Gly Arg Gly Gly Leu Gly Val Gly Glu Pro
149              20                  25                  30
153 Gly Pro Leu Gly Gly Gly Gly Ser Gly Xaa Pro Gln Met Gly Xaa Xaa
155          35                  40                  45
159 Pro Pro Pro Pro Ala Leu Arg Pro Arg Leu Val Phe His Thr Gln Leu
161      50                  55                  60
165 Ala His Gly Ser Pro Thr Gly Arg Ile Glu Gly Phe Thr Asn Val Lys
167  65                  70                  75                  80
171 Glu Leu Tyr Gly Lys Ile Ala Glu Ala Phe Arg Leu Pro Thr Ala Glu
173                  85                  90                  95
177 Val Met Phe Cys Thr Leu Asn Thr His Lys Val Asp Met Asp Lys Leu
179             100                 105                 110
183 Leu Gly Gly Gln Ile Gly Leu Glu Asp Phe Ile Phe Ala His Val Lys
185         115                 120                 125
189 Gly Gln Arg Lys Glu Val Glu Val Phe Lys Ser Glu Asp Ala Leu Gly
191     130                 135                 140
195 Leu Thr Ile Thr Asp Asn Gly Ala Gly Tyr Ala Phe Ile Lys Arg Ile
197 145                 150                 155                 160
201 Lys Glu Gly Ser Val Ile Asp His Ile His Leu Ile Ser Val Gly Asp
203                 165                 170                 175
207 Met Ile Glu Ala Ile Asn Gly Gln Ser Leu Leu Gly Cys Arg His Tyr
209             180                 185                 190
213 Glu Val Ala Arg Leu Leu Lys Glu Leu Pro Arg Gly Arg Thr Phe Thr
215         195                 200                 205
219 Leu Lys Leu Thr Glu Pro Arg Lys Ala Phe Asp Met Ile Ser Gln Arg
221     210                 215                 220
225 Ser Ala Gly Gly Arg Pro Gly Ser Gly Pro Gln Leu Gly Thr Gly Arg
227 225                 230                 235                 240
231 Gly Thr Leu Arg Leu Arg Ser Arg Gly Pro Ala Thr Val Glu Asp Leu
233                 245                 250                 255
237 Pro Ser Ala Phe Glu Glu Lys Ala Ile Glu Lys Val Asp Asp Leu Leu
239             260                 265                 270
243 Glu Ser Tyr Met Gly Ile Arg Asp Thr Glu Leu Ala Ala Thr Met Val
245         275                 280                 285
249 Glu Leu Gly Lys Asp Lys Arg Asn Pro Asp Glu Leu Ala Glu Ala Leu
251     290                 295                 300
255 Asp Glu Arg Leu Gly Asp Phe Ala Phe Pro Asp Glu Phe Val Phe Asp
257 305                 310                 315                 320
```

RAW SEQUENCE LISTING DATE: 01/09/2002
PATENT APPLICATION: US/10/013,056 TIME: 08:24:10

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01092002\J013056.raw

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261 Val Trp Gly Ala Ile Gly Asp Ala Lys Val Gly Arg Tyr
263                 325                 330
269 <210> SEQ ID NO: 3
271 <211> LENGTH: 380
273 <212> TYPE: DNA
275 <213> ORGANISM: Homo sapiens
279 <220> FEATURE:
281 <223> OTHER INFORMATION: n at position 369 is a, t, g, or c.
285 <400> SEQUENCE: 3
287 gccgaggaag gagaaggggc taaaccttgg agagtggatg gctcaaagga ttctcagatc 60
289 acacctcggg aggatcatgg gcaggagagc ctgttggcag ggctccacgg aacgcatcca 120
291 ccaaagacaa ggcagaaagt cactgcccaa gccggaggcc ccggggatcc catgcttttt 180
293 tcaagcccag agacagatga gaagcttttt atatgtgcgc agtgtggcaa aaccttcaac 240
295 aatacctcca acctgagaac gcaccagcgg atccacactg gcgagaagcc ctacatgtgt 300
297 tccgagtgtg gcaagagttt ctcccggagc tccaaccgca tccggcacga gcgcatccac 360
299 ctggaagana agcactctga                                             380
305 <210> SEQ ID NO: 4
307 <211> LENGTH: 126
309 <212> TYPE: PRT
311 <213> ORGANISM: Homo sapiens
315 <220> FEATURE:
317 <223> OTHER INFORMATION: Xaa at position 123 is any one of the twenty naturally
occurring amino
318       acids.
322 <400> SEQUENCE: 4
324 Ala Glu Glu Gly Glu Gly Ala Lys Pro Trp Arg Val Asp Gly Ser Lys
326   1               5                  10                  15
330 Asp Ser Gln Ile Thr Pro Arg Glu Asp His Gly Gln Glu Ser Leu Leu
332              20                  25                  30
336 Ala Gly Leu His Gly Thr His Pro Pro Lys Thr Arg Gln Lys Val Thr
338          35                  40                  45
342 Ala Gln Ala Gly Gly Pro Gly Asp Pro Met Leu Phe Ser Ser Pro Glu
344      50                  55                  60
348 Thr Asp Glu Lys Leu Phe Ile Cys Ala Gln Cys Gly Lys Thr Phe Asn
350  65                  70                  75                  80
354 Asn Thr Ser Asn Leu Arg Thr His Gln Arg Ile His Thr Gly Glu Lys
356                  85                  90                  95
360 Pro Tyr Met Cys Ser Glu Cys Gly Lys Ser Phe Ser Arg Ser Ser Asn
362             100                 105                 110
366 Arg Ile Arg His Glu Arg Ile His Leu Glu Xaa Lys His Ser
368         115                 120                 125
374 <210> SEQ ID NO: 5
376 <211> LENGTH: 678
378 <212> TYPE: DNA
380 <213> ORGANISM: Homo sapiens
384 <400> SEQUENCE: 5
386 atgtcgagac cccggaagag gctggctggg acttctggtt cagacaaggg actatcagga 60
388 aaacgcacca aaactgagaa ctcaggtgag gcattagcta aagtggagga ctccaaccct 120
390 cagaagactt cagccactaa aaactgtttg aagaatctaa gcagccactg gctgatgaag 180
392 tcagagccag agagccgcct agagaaaggt gtagatgtga agttcagcat tgaggatctc 240
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RAW SEQUENCE LISTING DATE: 01/09/2002
PATENT APPLICATION: US/10/013,056 TIME: 08:24:10

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01092002\J013056.raw

394 aaagcacagc ccaaacagac aacatgctgg gatggtgttc gtaactacca ggctcggaac 300
396 ttccttagag ccatgaagct gggagaagaa gccttcttct accatagcaa ctgcaaagag 360
398 ccaggcatcg caggactcat gaagatcgtg aaagaggctt acccagacca cacacagttt 420
400 gagaaaaaca atccccatta tgacccatct agcaaagagg acaaccctaa gtggtccatg 480
402 gtggatgtac agtttgttcg gatgatgaaa cgtttcattc ccctggctga gctcaaatcc 540
404 tatcatcaag ctcacaaagc tactggtggc cccttaaaaa atatggttct cttcactcgc 600
406 cagagattat caatccagcc cctgacccag gaagagtttg attttgtttt gagcctggag 660
408 gaaaaggaac caagttaa 678
414 <210> SEQ ID NO: 6
416 <211> LENGTH: 225
418 <212> TYPE: PRT
420 <213> ORGANISM: Homo sapiens
424 <400> SEQUENCE: 6
426 Met Ser Arg Pro Arg Lys Arg Leu Ala Gly Thr Ser Gly Ser Asp Lys
428 1 5 10 15
432 Gly Leu Ser Gly Lys Arg Thr Lys Thr Glu Asn Ser Gly Glu Ala Leu
434 20 25 30
438 Ala Lys Val Glu Asp Ser Asn Pro Gln Lys Thr Ser Ala Thr Lys Asn
440 35 40 45
444 Cys Leu Lys Asn Leu Ser Ser His Trp Leu Met Lys Ser Glu Pro Glu
446 50 55 60
450 Ser Arg Leu Glu Lys Gly Val Asp Val Lys Phe Ser Ile Glu Asp Leu
452 65 70 75 80
456 Lys Ala Gln Pro Lys Gln Thr Thr Cys Trp Asp Gly Val Arg Asn Tyr
458 85 90 95
462 Gln Ala Arg Asn Phe Leu Arg Ala Met Lys Leu Gly Glu Glu Ala Phe
464 100 105 110
468 Phe Tyr His Ser Asn Cys Lys Glu Pro Gly Ile Ala Gly Leu Met Lys
470 115 120 125
474 Ile Val Lys Glu Ala Tyr Pro Asp His Thr Gln Phe Glu Lys Asn Asn
476 130 135 140
480 Pro His Tyr Asp Pro Ser Ser Lys Glu Asp Asn Pro Lys Trp Ser Met
482 145 150 155 160
486 Val Asp Val Gln Phe Val Arg Met Met Lys Arg Phe Ile Pro Leu Ala
488 165 170 175
492 Glu Leu Lys Ser Tyr His Gln Ala His Lys Ala Thr Gly Gly Pro Leu
494 180 185 190
498 Lys Asn Met Val Leu Phe Thr Arg Gln Arg Leu Ser Ile Gln Pro Leu
500 195 200 205
504 Thr Gln Glu Glu Phe Asp Phe Val Leu Ser Leu Glu Glu Lys Glu Pro
506 210 215 220
510 Ser
512 225
518 <210> SEQ ID NO: 7
520 <211> LENGTH: 18
522 <212> TYPE: DNA
524 <213> ORGANISM: Artificial Sequence
528 <220> FEATURE:
530 <223> OTHER INFORMATION: Description of Artificial Sequence:primer TIP2c-s

RAW SEQUENCE LISTING DATE: 01/09/2002
PATENT APPLICATION: **US/10/013,056** TIME: 08:24:10

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01092002\J013056.raw**

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536 gaaacccaca ggaggcaa 18
542 <210> SEQ ID NO: 8
544 <211> LENGTH: 18
546 <212> TYPE: DNA
548 <213> ORGANISM: Artificial Sequence
552 <220> FEATURE:
554 <223> OTHER INFORMATION: Description of Artificial Sequence:primer TIP2b-r
558 <400> SEQUENCE: 8
560 ggtcatcatc gcagggtc 18
566 <210> SEQ ID NO: 9
568 <211> LENGTH: 33
570 <212> TYPE: DNA
572 <213> ORGANISM: Artificial Sequence
576 <220> FEATURE:
578 <223> OTHER INFORMATION: Description of Artificial Sequence:primer Hcthy-s
582 <400> SEQUENCE: 9
584 agcttgcggc cgcagatgtc gagaccccgg aag 33
590 <210> SEQ ID NO: 10
592 <211> LENGTH: 40
594 <212> TYPE: DNA
596 <213> ORGANISM: Artificial Sequence
600 <220> FEATURE:
602 <223> OTHER INFORMATION: Description of Artificial Sequence:primer Hcthy-r
606 <400> SEQUENCE: 10
608 agcttgcggc cgcgaattct taacttggtt ccttttcctc 40

VERIFICATION SUMMARY DATE: 01/09/2002
PATENT APPLICATION: **US/10/013,056** TIME: 08:24:11

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01092002\J013056.raw**

L:21 M:270 C: Current Application Number differs, Replaced Current Application Number
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:65 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:65 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:153 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:153 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:299 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:299 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:366 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:366 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4

OIPE

RAW SEQUENCE LISTING DATE: 01/02/2002
PATENT APPLICATION: US/10/013,056 TIME: 14:27:57

Input Set : A:\ES.txt
Output Set: N:\CRF3\01022002\J013056.raw

Does Not Comply
Corrected Diskette Needed

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     5 <110> APPLICANT: Ligensa, Tanja
     7       Schumacher, Ralf
     9       Weidner, Michael
    13 <120> TITLE OF INVENTION: IGF-1 Receptor Interacting Proteins
    17 <130> FILE REFERENCE: 09/453,195
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/013,056
C--> 23 <141> CURRENT FILING DATE: 2001-10-30
    27 <150> PRIOR APPLICATION NUMBER: EPO 98122992.5
    29 <151> PRIOR FILING DATE: 1998-12-03
    33 <160> NUMBER OF SEQ ID NOS: 10
    37 <170> SOFTWARE: PatentIn Ver. 2.1


ERRORED SEQUENCES

   588 <210> SEQ ID NO: 10
   590 <211> LENGTH: 40
   592 <212> TYPE: DNA
   594 <213> ORGANISM: Artificial Sequence
   598 <220> FEATURE:
   600 <223> OTHER INFORMATION: Description of Artificial Sequence:primer Hcthy-r
   604 <400> SEQUENCE: 10
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E--> 612 -6-
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VERIFICATION SUMMARY DATE: 01/02/2002
PATENT APPLICATION: US/10/013,056 TIME: 14:27:58

Input Set : A:\ES.txt
Output Set: N:\CRF3\01022002\J013056.raw

L:21 M:270 C: Current Application Number differs, Replaced Current Application Number
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:65 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:65 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:152 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:152 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:298 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:298 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:364 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:364 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:612 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:40 SEQ:10